3491

R/V DAN MOORE STATION LOG

VESSEL 1)	STATION (2-5)	CRUISE NO. (6-8)	MO. (9-14)	DAY	YEAR	GRID (15-17)	LATITUDE (18-21)	LONGITUDE (22-25)
M	3491	039	03	17	78	28AG	3546	7528

DEPTH (26-29)	SUR. TEMP. (30-31)	BTM TEMP. (32-33)	AIR TEMP (34-35)	BAROMETER (36-38)	BT (39)	WIND DIR. (40-41)	WIND SPD. (42-43)
0012	02	03	07	018	Y	SE	05

S.C. (44)	WEA. (45-46)	BTM TYPE (47-48)	BTM REG (49)	GEAR TYPE (50-51)	GEAR SIZE (52-54)	OP (55)	TM. START (56-57)	MIN. FISHED (58-60)
1	PC	SA	S	FT	151	—	16	030

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
01	00001	0000	0000	00000

RIG (61-62)	TOTAL FINFISH (63-67)	TOTAL CRUSTACEANS (68-71)	TOTAL SHELLFISH (72-75)	TOTAL OTHER (76-80)
—	—	—	—	—

POSITION	LATITUDE	LONGITUDE	LORAN		DEPTH fms	C/C	TIME ON STATION	
			3H4	3H5			PO	DO
START	35° 46'	75° 28'	1362	2961	12		1530	1532
							PU	ON
FINISH	35° 47'	75° 29'	1375	2962	12		1602	1606

LENGTH WARP	SHAFT RPM	PITCH	GEAR DATA:
100	1300 2 /5	50	

SPECIAL MODIFICATIONS

OPERATIONAL COMMENTS

OBSERVATIONS

Positive Anadromous

10 Blueback 1 Alewife 1 Am Shad

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FIN	**CRUST**	**SHELL**	**OTHER**
1.2	0	0	0

R/V DAN MOORE SPECIES LIST

STA. NO. 3491 DATE 17 March 1978 BIOLOGISTS BFH JWG SGT TMG

TOT. CATCH WT. 1.2 AIR 7°C SURFACE 1.5°C BOTTOM 2.8°C

SAMPLE WT. — RAISING FACTOR — GRID 28 AG

		SUBSAMPLE		TOTAL			
SPECIES	C or NC	NUMBER	WEIGHT	NO.	WT.	$\bar{X}$ WT	REMARKS
Alosa aestivalis				10	0.8	<0.1	Leng - Freq
Alosa pseudoharengus				1	0.1	0.1	Leng - Freq
Alosa sapidissima				1	0.3	0.3	Leng - Freq

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: *Alosa aestivalis*

STATION: 3491

DATE: 3/17/78

LOCALITY: 28 AG Area IV

T. L.	♂	♀	Sex Comb.	non-quantitative
50-59.9				
60 -				
70 -				
80 -				1
90 -				
100 -				2
110 -				
120 -				
130 -				
140 -	2	1	3	
150 -	1		1	
160 -				
170 -	1		1	
180 -	1		1	
190 -	1		1	
200 -				
210 -				
220 -				
230 -				
240 -				
250 -				
260 -				
270 -				
280 -				
290 -				
300 -				
310 -				
320 -				
330 -				
340 -				
350 -				
360 -				
370				
380 -				
390 -				
400 -				
410 -				
420 -				
430 -				
440 -				
450 -				
460 -				
470 -				
480 -				
490 -				
500 -				
510 -				
520				
530 -				
540 -				

T. L.	♂	♀	Sex Comb.	non-quantitative sex unknown
550 -				
560 -				
570 -				
580 -				
590 -				
600 -				
610 -				
620 -				
630 -				
640 -				
650 -				
660 -				
670 -				
680 -				
690 -				
700 -				
TOTAL				
N	6	1	7	3
$\bar{X}$	166.17	147	163.42	97
S.D.	19.25	0	21.16	45

range ♂ 147 – 193 mm

range ♀ - 147

range juvenille (non-quant.) 82-105 mm

range ♀ 147 mm

PAGE ___ OF ___

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: Alosa pseudoharengus

STATION: 3491

DATE: 3-17-78

LOCALITY: 28 AG Area IX

T. L.	♂	♀	sex comb.	nonguard
50-59.9				
60 -				
70 -				
80 -				
90 -				
100 -				
110 -				
120 -				
130 -	1		1	
140 -				
150 -				
160 -				
170 -				
180 -				
190 -				
200 -				
210 -				
220 -				
230 -				
240 -				
250 -				
260 -				
270 -				
280 -				
290 -				
300 -				
310 -				
320 -				
330 -				
340 -				
350 -				
360 -				
370				
380 -				
390 -				
400 -				
410 -				
420 -				
430 -				
440 -				
450 -				
460 -				
470 -				
480 -				
490 -				
500 -				
510 -				
520				
530 -				
540 -				

T. L.	♂	♀	sex comb.	non-guard.
550 -				
560 -				
570 -				
580 -				
590 -				
600 -				
610 -				
620 -				
630 -				
640 -				
650 -				
660 -				
670 -				
680 -				
690 -				
700 -				
TOTAL				
N	1	0	1	0
$\bar{x}$	135	—	135	—
S.D.	0	—	0	-

range ♂ 135 mm

PAGE ___ OF ___

LENGTH - FREQUENCY DISTRIBUTION

SPECIES:

DATE:

STATION:

LOCALITY:

T. L.				
50-59.9				
60 -				
70 -				
80 -				
90 -				
100 -				
110 -				
120 -				
130 -				
140 -				
150 -				
160 -				
170 -				
180 -				
190 -				
200 -				
210 -				
220 -				
230 -				
240 -				
250 -				
260 -				
270 -				
280 -				
290 -				
300 -				
310 -				
320 -				
330 -				
340 -				
350 -				
360 -				
370				
380 -				
390 -				
400 -				
410 -				
420 -				
430 -				
440 -				
450 -				
460 -				
470 -				
480 -				
490 -				
500 -				
510 -				
520				
530 -				
540 -				

T. L.				
550 -				
560 -				
570 -				
580 -				
590 -				
600 -				
610 -				
620 -				
630 -				
640 -				
650 -				
660 -				
670 -				
680 -				
690 -				
700 -				
TOTAL				

PAGE ___ OF ___

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: Alosa pseudoharengus
STATION: [illegible]

DATE: March 1978
LOCALITY: [illegible]

T. L.	[illegible]	[illegible]		[illegible]
50-57.9				
60-				
70-				
80-				
90-				
100-				
110-				
120-				
130-	1			
140-				
150-				
160-				
170-				
180-				
190-				
200-				
210-				
220-				
230-				
240-				
250-			1	
260-				
270-		2	2	
280-				
290-				
300-	N=1	[illegible]	[illegible] 4	
310-				
320-				
330-				
340-				
350-				
360-				
370				
380-				
390-				
400-				
410-				
420-				
430-				
440-				
450-				
460-				
470-				
480-				
490-				
500-				
510-				
520				
530-				
540-				

T. L.				
550-				
560-				
570-				
580-				
590-				
600-				
610-				
620-				
630-				
640-				
650-				
660-				
670-				
680-				
690-				
700-				
TOTAL				
N	[illegible]	[illegible]	[illegible]	[illegible]
$\bar{X}$	[illegible]	[illegible]	[illegible]	—
[illegible]	84.[illegible]	[illegible]	[illegible]	—

[illegible] 128-274[illegible]

PAGE ___ OF ___

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: *Alosa sapidissima*

STATION: 3491, 3485, 3489

DATE: March 1978

LOCALITY: Summary

T.L.	♂	♀	Sex comb.	non-quant.
50-59.9				
60-				
70-				
80-				
90-				
100-				
110-				
120-				
130-				
140-				
150-	|		|	
160-	|		|	
170-				
180-				
190-				
200-				
210-				
220-				
230-				
240-		|	|	
250-				
260-				
270-				
280-				
290-				
300-				
310-				
320-				
330-				
340-				
350-				
360-				
370				
380-				
390-				
400-				
410-				
420-				
430-				
440-				
450-		|	|	
460-				
470-	N=2	N=2	N=4	
480-				
490-				
500-				
510-				
520				
530-				
540-				

T.L.	♂	♀	Sex comb.	non-quant.
550-				
560-				
570-				
580-				
590-				
600-				
610-				
620-				
630-				
640-				
650-				
660-				
670-				
680-				
690-				
700-				
TOTAL				
N	2	2	4	
X̄	155	250	250	
S.D.	7.0	139.28	128.95	

range ♂ 150-160 mm

range ♀ 240-450 mm

PAGE ___ OF ___

LENGTH - FREQUENCY DISTRIBUTION

SPECIES: Alosa sapidissima

DATE: March 1978

STATION: 34 11 and [illegible]

LOCALITY: [illegible] IV [illegible]

T.L.	♂	♀	[illegible]	non-[illegible]
50-57.9				
60 -				
70 -				
80 -				
90 -				
100 -				
110 -				
120 -				
130 -				
140 -				
150 -				
160 -				
170 -				
180 -				
190 -				
200 -				
210 -				
220 -				
230 -				
240 -		1	1	
250 -				
260 -				
270 -				
280 -				
290 -				
300 -				
310 -				
320 -				
330 -				
340 -				
350 -				
360 -				
370				
380 -				
390 -				
400 -				
410 -				
420 -				
430 -				
440 -				
450 -		1	1	
460 -				
470 -		N=2	N=2	
480 -				
490 -				
500 -				
510 -				
520				
530 -				
540 -				

T.L.	♂	♀	[illegible]	non-[illegible]
550 -				
560 -				
570 -				
580 -				
590 -				
600 -				
610 -				
620 -				
630 -				
640 -				
650 -				
660 -				
670 -				
680 -				
690 -				
700 -				
TOTAL				
N	0	2	2	0
x̄	—	[illegible]	352.5	—
S.D.	—	142.[illegible]	[illegible]	—
		range ♀ 247-4[illegible]		

PAGE ___ OF ___

Species: [illegible]

STATION: 2471
GRID: [illegible]
DATE: [illegible]

SPECIMEN #	FORK LENGTH (MM)	SEX	SCALES OR OTOLITHS	AGE	SPAWNING MARKS	REMARKS
1	247	♀IM				A No. IV
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

Species: [illegible]

STATION: [illegible]
GRID: 2[illegible]
DATE: [illegible]

SPECIMEN #	FORK LENGTH (MM)	SEX	SCALES OR OTOLITHS	AGE	SPAWNING MARKS	REMARKS
1	147	♀IM				Area IV
2	147	♂IM				N=10
3	149	♂IM				
4	173	♂IM				
5	153	♂IM				
6	173	♂IM				
7	[illegible]	♂IM				
8	105	UNK				
9	82	UNK				
10	104	UNK				
11						
12						
13						
14						
15						[illegible]
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

Species: alosa pseudoharengus

STATION: 3491
GRID: 28AG
DATE: 17 Mar '78

SPECIMEN #	FORK LENGTH (MM)	SEX	SCALES OR OTOLITHS	AGE	SPAWNING MARKS	REMARKS
1	135	♂ IM				Area IV
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						Anchovie
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						

```
      0.00
     17.00
* * * * * * * * * * * * * * *
    300.00
     57.00
    300.00
     21.25
     15.00
     10.00
      5.00
* * * * * * * * * * * * * * *
     10.00
* * * * * * * * * * * * * * *
    147.00          I
    157.00          M
    140.00          M
    175.00          M
    195.00          M
    192.00          M
    150.00          M
    135.00          I
     82.00          I
    104.00          I
* * * * * * * * * * * * * * *
      2.00          G
     33.33      P
140.
      1.00          M
     16.66      P
150.
      1.00          M
     16.66      P
170.
      1.00          M
     16.66      P
180.
      1.00          M
     16.66      P
130.
* * * * * * * * * * * * * * *
      1.00          F
    170.00      P
140.
* * * * * * * * * * * * * * *
      1.00          I
     33.33      P
80.
      2.00          I
     66.66      P
100.

* * * * * * * * * * * * * * *
* * * * * * * * * * * * * * *
      6.00          N
    997.00          E
    166.16
     12.25
* * * * * * * * * * * * * * *
      1.00          G
    147.00          E
    147.00          F
ERROR
       .00
* * * * * * * * * * * * * * *
* * * * * * * * * * * * * * *
      0.34
* * * * * * * * * * * * * * *
* * * * * * * * * * * * * * *
      3.00          G
    241.00          E
     37.00          I
* * * * * * * * * * * * * * *
* * * * * * * * * * * * * * *
* * * * * * * * * * * * * * *
```

guids in correct
Areas

997
147
2

♂ 46

♀ 23